INDEX TO VOLUME 29

ABRAMOWITZ, A. A. See Levinson, L., 41
Absorption of hormone-cholesterol pellets, 1020
Activity, spontaneous, and hypophysectomy, 41
Adenofibromyomata, after castration, 619
Adrenals and, fever, 141
  mitotic activity, 397
  potassium, 459
  andromimetic function, 746
  effect of, adrenalin, desoxycorticosterone and adrenalectomy on cortical hormones, 126
  corticotropic extracts, 934
  preputial gland, 943
Adrenal cortex, and fatigue, 443
  hormones, see also desoxycorticosterone acetate
  activity assay, 855
  heart muscle, 564
  insufficiency, replacement therapy, 862
  phosphatase of rat femurs, 250
  sodium retaining substance, 111
  metabolism, 430
  transplants, 241
Adrenalectomy and, adreno-cortical hormones, 126
  blood picture, 596
  carbohydrate metabolism, 731
  deamination of dl-alanine, 737
  epiphyseal growth, 720
  insulin, 137
  prostate, 746
  desoxycorticosterone, 70, 144, 740
  glucose treatment for fatigue, 443
  sodium and dextrose appetite in, 115
Adrenalin sensitivity, 453
ALLEN, A. See GELLHORN, E., 137, 849
ALLEN, E. See Emmel, V. M., 330; Figge, F. H. J., 262
Anatomy, abnormal sex, 1003
Androgens and, bone growth, 425
  castration, effect on striated perineal musculature, 975
  female reproduction, 77, 784
  hyperthyroidism, 89
  mating behavior, 409
  renal atrophy, 80
  structure of anterior pituitary, 969
  colorimetric determination, 545
  effect on, immature rats, 402
  mitotic activity, 397
  phosphatase content of rat femurs, 258
  renal cortex, 192
  on testes, 64
  implantation, 70
  organ response to, 758
  percutaneous potency, 979
  potency of, 755
Anemia and estrogens, 817
Anesthesia, steroid hormone, 790
Antigonadotropic serum, diestrus and corpus luteum formation, 965
Antihormones, and gonadotropins, 35
Ascorbic acid and endometrium, 210
Assay, of adrenal cortical hormones, 126, 535, 855
  androgens, 545
  gonadotropin, 1, 514
  insulin, 137, 866
  mammogenic growth factor, 324
  melanophore-dispersing hormone, 725
  posterior pituitary factors, 320
  thyrotropic hormone, 313

BARON, H. See Rosenfeld, S. S., 276
BATES, R. W., and O. RIDDLE. Annual variation in the response of crop-sacs and viscera of pigeons to prolactin, 702
——, —— AND E. L. Lahr. A strain difference in responsiveness of chick thyroids to thyrotropin and a stepwise increase during three years in thyroid weights of carneau pigeons, 492
BEACH, F. A. Female mating behavior shown by male rats after administration of testosterone propionate, 409

Beard, H. H., Julia K. Espenan, A. L. Koven and P. Pizzolato. Creatine-creatinine metabolism and the hormones VII. Further observations upon the biological relationship between creatine and creatinine in relation to water, salt and phosphate metabolism in normal and castrate rats, 762
Bergman, A. J., and C. W. Turner. Thyrotropic hormone content of rabbit pituitary during growth, 313
—— See Reineke, E. P., 306
Bierbaum, O. See Castrodale, D., 363
Birmingham, J. R. See Richter, C. P., 655
Bischoff, F. The reaction of human chorionic and equine gonadotropins to formaldehyde, 520
——, and G. J. Clarke. Gonadotropic antagonism, 163
——, —— Gonadotropic stimulation in intact and thyroidectomized adult female rats, 27
——, —— Thyroidectomy and mare serum hormone administration, 162
Biskind, G. R. See Lisco, H., 772
Blood picture and sex hormones, 349, 606, 817, 828
Bone growth, and androgens, 425
in castrate rat, 1015
Bozler, E. Influence of estrone on the electric characteristics and the motility of uterine muscle, 225
Bradbury, J. T. Uterine distention and lactation, 393
Brody, E. B. Influence of thyroidectomy on variability of neuromuscular activity in rat, 916
——, and S. Goldman. Relationship of vitamin A and estrogens, 164
Brownell, K. A., and F. A. Hartman. Influence of adrenal preparations on basal metabolism and specific dynamic action, 430
Brues, A. M. See Nathanson, I. T., 397
Burch, J. C. See Williams, C., 373
Burrill, M. W. See Greene, R. R., 64, 402, 979

Calcium appetite and parathyroidectomy, 655
Calorigenic action of thyroglobulin, 927
Carbohydrate metabolism, and adrenalectomy, 731
and fat deficient diet, 900
Carnes, W. H., C. Ragan, J. W. Ferrebee and J. O'Neill. Effects of desoxycorticosterone acetate, 144
Castration, and adenofibromyomata, 619
androgens, and striated perineal musculature, 975
body and muscle growth, 852
thyrohyperplastic rats, 103
Castrodale, D., O. Bierbaum, E. B. Helwig and C. M. MacBryde. Comparative studies of effects of estradiol and stilbestrol upon blood, liver, and bone marrow, 363
Cavett, J. W. See McClendon, J. F., 927
Chaikoff, I. L. See Gibbs, G. E., 877, 885
Chandler, S. B., and A. D. Pickett. Oxygen consumption in parathyroidectomized rat, 161
Chapman, A. Extrathyroidal iodine metabolism, 686
—— Relation of thyroid and pituitary glands to iodine metabolism, 680
Clarke, A. P. W. See Cleghorn, R. A., 535
Clarke, G. J. See Bischoff, F., 27, 162, 163
Cleghorn, R. A., J. L. A. Fowler, J. S. Wenzel and A. P. W. Clarke. The desoxycorticosterone acetate requirement of the adrenalectomized dog, 535
Cleveland, R. Observations on hormone withdrawal bleeding in castrated macaques, 343
Coe, R. C. See Pomerat, G. R., 1015
Cole, H. H., and J. Erway. 48-Hour assay test for equine gonadotropin with results expressed in international units, 514
Collip, J. B. See Noble, R. L., 934, 943
Cooper, W. D. See Turner, C. W., 320
Corpus luteum, See also progesterone
progesterone and estrogen withdrawal bleeding, 343
and uterine vascular changes, 336
and genital organs, 639
Crabtree, C. E. Influence of pregnancy on renal cortex of mice as indicated by structure of Bowman's capsule, 204
—— Structure of Bowman's capsule in castrate and testosterone treated male mice as an index of hormonal effects on renal cortex, 197

CRAFTS, R. C. Effect of endocrines on formed elements of blood. I. Effects of hypophysectomy, thyroidectomy and adrenalectomy on blood of adult female rat, 596. II. Effect of estrogens in dog and monkey, 606
Creatine-creatinine metabolism, 762
Cryptorchidism, and APL substance, 288
CUTULY, E. Studies on histology and physiology of the pituitary of rats treated with progesterone, 695

Desoxycorticosterone acetate, 144, 535
see also adrenals
Diabetes mellitus and stilbestrol, 838
17-hydroxy-11-dehydrocorticosterone, 649
DIENES, M. See Strickler, H. S., 545
DILL, L. V. See Schaffer, N. K., 243
DINGEMANSE, E. See Tyslowitz, R., 817
DOSNE, C. Effect of acute estradiol overdosage on uterus of guinea pig, 352
DRAGER, G. A. See Rahn, H., 725
DRILL, V. A. See Remington, J. W., 740

ELDER, W. H. See Kupperman, H. S., 23
EMERY, F. E., C. S. MATTHEWS AND E. L. SCHWABE. Duration of estrus following intraperitoneal, oral, intrathoracic, subcutaneous and intramuscular administration of stilbestrol, 1028
—— See Page, R. C., 230
EMGE, L. A., AND G. L. LAQUEUR. Thyroid-ovarian relations. I. Influence of ovarian hormones on thyroid hyperplasia, 96
—— See Laqueur, G. L., 108
EMMEL, U. M., R. V. WORTHINGTON AND E. ALLEN. Attempts to induce menstruation by operative ischemia in monkeys, 330
Endocrines, effect on blood picture, 349, 596, 606, 817
Endometrium, action of estrogens on, 622
ascorbic acid and, 210
ENGEL, P. Inactivation of estrogens by liver of guinea pigs in different sexual states, 290
—— Body and muscle growth in normal and castrate albino mice, 852
Epiphyseal growth, 710, 720
ERWAY, J. See Cole, H. H., 514
ESCHER, G. C. See Geist, S. H., 59
ESPENAN, JULIA K. See Beard, H. H., 762
Estrogens and, blood picture, 349, 606, 817
glutathione inhibition, 262
hyperthyroidism, 215
hypophysis weight, 498
inhibition of ovary, 633
mammary gland, 984
after hypophysectomy, 297
metaplasia, 772
phosphatase content of rat femur, 258
syphilis, 218
thyroid, 103, 108
uterine blood vessels, 336, 387
muscle, 225
vitamin A, 164
comparative effects and potencies of, 356, 361, 622
inactivation by liver, 290
overdosage and uterus, 352
sensitivity to, 779
toxicity of stilbestrol implants, 230, see also stilbestrol
withdrawal and bleeding in monkeys, 330, 343
Estrous cycle, effect of light on, 187
diestrus, corpus luteum formation, LH and antigonadotropic serum, 965
estrus, duration with stilbestrol, 1028
and irradiation, 59
persistent, 965
EVANS, G. Deamination of dl-alanine in the adrenalectomized rats, 737
—— Effect of adrenalectomy on carbohydrate metabolism, 731

FELDMAN, J., AND E. GELLHORN. Influence of fever on vago-insulin and sympathetico-adrenal systems, 141
—— See Gellhorn, E., 137, 467, 849
FERREBEE, J. W. See Carnes, W. H., 144
FERRILL, H. W. See Low, F. N., 1207
FIGGE, F. H. J., AND E. ALLEN. Release of glutathione inhibition of melanin formation by estrone, 262
FISKE, V. M. Effect of light on sexual maturation, estrous cycles, and anterior pituitary of rat, 187
FLEISCHMANN, W. See Hartman, C. G., 793
FOGLIA, U. G. Hormonal action of toad hypophysis on mammals, 503
FORBES, T. R. Absorption of pellets of crystalline testosterones, progester-

one, desoxycorticosterone and stilbestrol, 70
Foster, W. C. See McClendon, J. F., 653, 927
Fowler, J. L. A. See Cleghorn, R. A., 535
Frazier, C. N., C. K. Hu and W. C. Ma. Relation of changes in testicular structure induced in rabbit by estrogenic substance to resistance against syphilis, 218
Freeman, W., and Rose Small. Effect of testosterone propionate on various responsive organs of immature rats, 758
Friedgood, H. B., and U. U. Uotila. Occurrence of ovarian "tumors" in spontaneous virilism of the hen, 47
Friedman, M. H. Inhibition of copper-induced ovulation in rabbit by progesterone, 628
——, and S. R. Hall. Site of elaboration of pituitary gonadotropic hormone and of prolactin, 179
——, and J. W. Mitchell. Variations in yield of gonadotropic material from green plants in relation to season of growth and pH of the fresh juice, 172
Friedman, N. B., and A. Marble. Island hyperplasia in partially depancreatized rat, 577
Friedman, S. M. See Selye, H., 80

Gaines, J. A. See Geist, S. H., 59
Galli-Mainini, C. Effect of thyroid and thyrotropic hormones upon oxygen consumption (QO_2) of thyroid of guinea pig, 674
Geist, S. H., J. A. Gaines and G. C. Escher. Vaginal estrus in irradiated mice, 59
Gellhorn, E., and J. Feldman. Influence of thyroid on vago-insulin and sympathetico-adrenal systems, 467
——, —— and A. Allen. Assay of insulin on hypophysectomized, adrenodemedullated, and hypophysectomized-adreno-demedullated rats, 137
——, ——, —— Insulin concentration in blood of normal and pancreatectomized dogs, 849
—— See Feldman, J., 141
Genital organs, and progesterone, 639
Gibbs, G. E., and I. L. Chaikoff. Lipid metabolism in experimental pancreatic diabetes. I. Blood and liver lipids of dogs fasted during total insulin deprivation, 877. II. Blood and liver lipids of dogs fed during total insulin deprivation, 885
Gillman, J. Quantitative study of inhibition of ovary and of turgescent perineum of normal baboon producted by single injection of estradiol benzoate, 633
—— Profound vascular changes induced in uterus of castrated rabbit by combinations of estradiol benzoate and progesterone, 336
Glucose tolerance, 453
Glutathione inhibition, 262
Goldman, S. See Brody, H., 164
Goldzieher, M. A. See Gusman, H., 931
Gonads, and preputial glands, 943
response to hyperadrenalism, 592
Gonadectomy, and adrenocortical transplants, 240
changes in hypophysis with progesterone treatment, 695
Gonadotropins and, antihormones, 35, 525, 531
blood picture, 828
malnutrition, 267
mammary glands after hypophysectomy, 297
ovaries, 8, 1008
thyroidectomy, 27, 162
antagonism, 163
assay of, 8, 514
occurrence in, green plants, 172
human male urine, 1
human pregnancy serum, 276
pituitary extracts, 931
reaction to formaldehyde, 520
Gordon, A. S. Antihormone production to crude and purified PMS, 35
—— See Vollmer, E. P., 828
Greene, R. R. Uterine distention and lactation in rat, 1025
——, and M. W. Burrill. Effects of large amounts of androgen on the testes of the prepuberal rat, 64
——, —— Forty-eight-hour-response of the immature male rat to androgens, 402
——, E. Oppenheimer, M. W. Burrill and Dorothy Nelson. Effects of different types of ointment on percutaneous potency of androgens, 979

—— See Oppenheimer, E., 755
GREEP, R. O., AND H. E. STAVELY. "Mammogen" and treatment of spayed hypophysectomized rats with lipoid extracts of cattle pituitary, 18
GROLLMAN, A. Biological assay of adrenal cortical activity, 855.
—— Further observations on replacement therapy in experimental adrenal cortical insufficiency with desoxycorticosterone acetate and sodium chloride, 862
Growth and, hormones, 313, 475
stilbestrol, 990
thyroprotein, 667
GUSMAN, H., AND M. A. GOLDZIEHER. Synergism between pituitary extracts and chorionic gonadotropins, 931

HALL, S. R. See Friedman, M. H., 179
HAMILTON, J. B. See Wilson, J. G., 784
HARRIS, J. See Hechter, O., 386
HART, G. W. See Morrell, J. A., 796, 809, 995
HARTMAN, C. G., and W. FLEISCHMANN. Serum cholesterol in rhesus monkey, 793
——, AND H. SPEERT. Action of progesterone on genital organs of unprimed rhesus monkey, 639
—— See Tyslowitz, R., 349
HARTMAN, F. A., AND L. A. LEWIS. Refractoriness produced by sodium retaining substances, 111
—— See Brownell, K. A., 430
HAYES, D. R. See Ingalls, T. H., 720
HECHTER, O., L. KROHN AND J. HARRIS. Effect of estrogen on permeability of uterine capillaries, 386
HELLBAUM, A. A. See Turner, H. H., 425
HELLER, E. J., C. G. HELLER AND E. L. SEVRINGHAUS. Gonadotropic hormone. Assays of human male urine, 1
—— See Heller, E. J., 1
HELWIG, E. B. See Castrodale, D., 363
HERTZ, S., AND A. ROBERTS. Radioactive iodine as an indicator in thyroid physiology, 82
HILL, R. T. Abnormal sex anatomy of a goat, 1003
HOWARD, EVELYN. Effects of adrenalectomy and desoxycorticosterone substitution therapy on castrated rat prostate, 746
HU, C. K. See Frazier, C. N., 218
HUFFMAN, J. W. Effect of testosterone upon reproduction in female, 77
Hyperadrenalism, gonad response to, 592
Hypertension and neurohypophysis, 952
Hyperthyroidism, and estrogens, 215
androgens and creatinuria in, 89
Hypophysectomy and, activity, 41
blood picture, 596, 828
epiphyseal growth, 720
insulin, 137
iodine metabolism, 680
Hypophysis and, estrogen implants, 230
iodine metabolism, 680
progesterone, 695
control of preputial gland, 943
effect of light on, 187
hormones of, and thyroidectomy, 306
corticotropic extracts, augmentation, 934
gonadotropic, 23, 179, 931
growth, 297
lactogenic, 165
luteinizing, 958, 965
mammogenic growth factor, 18, 324
melanophore-dispersing, 725
thyrotropic, 313
toad hypophysis, 503
pharyngeal, 229
pseudohypophysectomy by inanition, 558
structure in old male rats, 969
Hypophysis, posterior, assay of factor causing contraction of lactating mammary gland, 320
Hypothalamic substance and hypophysis, 958
Hypothyroidism and chemical constitution of organs, 919

Inanition, effect on, hypophysis, 558
mammary gland, 984
INGALLS, T. H. Epiphyseal growth: Normal sequence of events at epiphyseal plate, 710
——, AND D. R. HAYES. Epiphyseal growth: Effect of removal of adrenal and pituitary glands on epiphyses of growing rats, 720
INGLE, D. J. Diabetogenic effect of stilbestrol in force-fed normal and partially depancreatized rats, 838

—— Production of glycosuria in normal rat by means of 17-hydroxy-11-dehydrocorticosterone, 649
——, AND F. D. W. LUKENS. Reversal of fatigue in adrenalectomized rat by glucose and other agents, 443
INGRAM, W. R. See Sattler, D. G., 952
Insulin, assay, 137, 849, 866
chronic injection, 1027
deprivation, lipids during fasting, 877
during feeding, 885
sensitivity, 453
Iodine, and thyrotropic hormone, 93
metabolism, 680, 686
radioactive, 82
tolerance, 905, 908
ISRAEL, S. L., AND D. R. MERANZE. Progesterone-like effect of ascorbic acid (vitamin C) on endometrium, 210

JAILER, J. W. Effect of testosterone propionate on creatinuria of experimental hyperthyroidism in male and female monkeys, 89
JOHLIN, J. M. Attenuation of insulin by adsorption, 574

KAHN, J. R., AND T. C. LAIPPLY. Changes in arteries of uterus in öophorectomized rats, 1017
KINGSBURY, B. F. Interpretation of thymus bodies, 155
KOVEN, A. L. See Beard, H. H., 762
KROHN, L. See Hechter, O., 386
KUETER, K. See Richards, R. K., 990
KUPPERMAN, H. S., W. H. ELDER AND R. K. MEYER. Effect of method of desiccation and storage on gonadotropic activity of pituitary gland, 23
——, R. K. MEYER AND W. H. MCSHAN. Selective neutralization of follicle-stimulating action of gonadotropic preparations by antigonadotropic sera, 525

LACEY, A. H. Rabbit method of insulin assay, 866
LACHMANN, E. See Turner, H. H., 425
Lactation and uterine distention, 1026
LAHR, E. L. See Bates, R. W., 492
LAIPPLY, T. C. See Kahn, J. R., 1017
LAPAN, B. See Rosenfeld, S. S., 276
LAQUEUR, G. L., AND L. A. EMGE. III. Morphologic ovarian changes in estrogen-treated thyrohyperplastic rats, 108
—— See Emge, L. A., 96; Schilling, W., 103, 498
LEATHEM, J. H., AND L. LEVIN. Gonadotropic action of normal male urine extract on ovaries of normal and hypophysectomized immature rats and mice, 8
LEIN, A. Rapid method for iodide tolerance determinations, 905
—— Influence of thyroid gland on iodide tolerance in rabbits, 908
LEONARD, S. L. See Reece, R. P., 297
LEVIN, L. See Leathem, J. H., 8
LEVINSON, L., J. H. WELSH AND A. A. ABRAMOWITZ. Effect of hypophysectomy on diurnal rhythm of spontaneous activity in rat, 41
LEWIS, L. A. See Hartman, F. A., 111
Lipid metabolism and insulin, 877, 885
LIPSCHÜTZ, A., AND L. VARGAS. Comparative action of stilbestrol and other estrogens on endometrium of castrated guinea pig, 622
LISCO, H., AND G. R. BISKIND. Lesions of bladder and prostate of mice receiving pellets of crystalline estrone, 772
Liver, growth with stilbestrol, 990
inactivation of estrogens, 290
LLOYD, RUTH S., AND B. B. RUBINSTEIN. Multiple ova in follicles of juvenile monkeys, 1008
LOGAN, M. A. See Vanderlaan, J. E., 93
LOW, F. N., AND H. W. FERRILL. Chronic insulin injection in five successive generations of white rats: report of gross and histological findings, 1027
LUKENS, F. D. W. See Ingle, D. J., 443

MA, W. C. See Frazier, C. N., 218
MACBRYDE, C. M. See Castrodale, D., 363
MACLEOD, J. Effects of glycolysis inhibitors and of certain substrates on metabolism and motility of human spermatozoa, 583
Mammary gland, response to estrogen in inanition, 984
MANARO, J. M. Adenofibromyomata in uterus of a guinea pig after extreme partial castration, 619
MARBLE, A. See Friedman, N. B., 577
MARVIN, H. M., AND R. K. MEYER. Diestrus and corpus luteum forma-

tion in persistent estrous rats by luteinizing hormone and antigonadotropic serum, 965
MASSON, G. Action of nocuous agents on insulin and adrenalin sensitivity, and on glucose tolerance, 453
MATTHEWS, C. S. See Emery, F. E., 1028; Page, R. C., 230
McCLENDON, J. F., AND W. C. FOSTER. Thyroid hormone in blood II, 653
——, —— AND J. W. CAVETT. Thyroglobulin studies. III. Calorigenic action of thyroglobulin with different thyroxine content, 927
McSHAN, W. H. See Kupperman, H. S., 525; Meyer, R. K., 31
MEITES, J. See Turner, C. W., 165
Melanophore-dispersing hormone, assay of, 725
Menstruation, experimental, 330, 633
MERANZE, D. R. See Israel, S. L., 210
Metabolism, basal, 430
carbohydrate, 900
Metaplasia and estrogens, 772
MEYER, R. K., AND W. H. McSHAN. Effect of increasing the number of daily infections of gonadotropic preparations on ovaries of immature rats, 31
—— See Kupperman, H. S., 23, 525; Marvin, H. N., 965
MITCHELL, J. W. See Friedman, M. H., 172
MIXNER, J. P., AND C. W. TURNER. Biological assay of mammogenic lobule-alveolar growth factor of anterior pituitary, 324
MORRELL, J. A., AND G. W. HART. Studies in stilbestrol. I. Some effects of continuous injections of stilbestrol in adult female rat, 796. II. Effect of massive doses on normal immature female rats, 809. III. Some effects of continuous injections of stilbestrol in normal and castrate adult rats, 995
MOORE, R. A. See Tolins, S., 228
MULINOS, M. G., AND L. POMERANTZ. Pituitary replacement therapy in pseudo-hypophysectomy. Effects of pituitary implants upon organ weights of starved and underfed rats, 558
——, —— Reproductive organs in malnutrition. Effects of chorionic gonadotropin upon atrophic genitalia of underfed male rats, 267

NATHANSON, I. T., AND A. M. BRUES. Effect of testosterone propionate upon mitotic activity of adrenals in intact immature female rat, 397
NELSON, DOROTHY. See Greene, R. R., 979; Oppenheimer, E., 755
NELSON, W. O. See Segaloff, A., 483
Neurohypophysis and hypertension, 952
Neuromuscular activity and thyroidectomy, 916
NOBLE, R. L., AND J. B. COLLIP. Augmentation of pituitary corticotrophic extracts and effect on adrenals, thymus and preputial glands of the rat, 934
——, —— A possible direct control of preputial glands of female rat by pituitary gland and indirect effects produced through adrenals and gonads by augmented pituitary extracts, 943

O'NEILL, J. See Carnes, W. H., 144
Oöphorectomy, and arterial changes in uterus, 1017
OPPENHEIMER, E., R. R. GREENE AND D. NELSON. Molecular-equivalents versus weight-equivalents in potency of androgenic substances, 755
—— See Greene, R. R., 979
Ovary and gonadotropins, 1008
and hypothyroidism, 373
inhibition, by estrogens, 633
progesterone, 628
tumor, and virilism, 47

PAGE, R. C., H. K. RUSSELL, E. L. SCHWABE, C. S. MATTHEWS AND F. E. EMERY. Chronic toxicity studies of diethylstilbestrol. II. Subcutaneous implantations of pellets in rats, 230
Pancreas, island hyperplasia, 577
Pancreatectomy, stilbestrol in, 838
insulin concentration, 849
Parathyroid extract, and phosphatase content of rat femurs, 250
Parathyroidectomy and calcium appetite, 655
O_2 consumption, 161
PARKINS, W. M. See Remington, J. W., 740

Pearlman, W. H. See Pincus, G., 413
Pellets of hormone-cholesterol, 1020
Perry, J. C. Gonad response of male rats to experimental hyperadrenalism, 592
Phelps, Doris. See Williams, C., 373
Pickett, A. D. See Chandler, S. B., 161
Pincus, G., and W. H. Pearlman. Fractionation of neutral urinary steroids, 413
Pizzolato, P. See Beard, H. H., 762
Pomerantz, L. See Mulinos, M. G., 267, 558
Pomerat, G. R., and R. C. Coe. Bone growth in long-term castrate albino rat, 1015
Potassium poisoning and adrenal insufficiency, 459
Pregnancy, effect on renal cortex, 204
and prolactin, 165
gonadotropins in, 276
Progesterone, see also corpus luteum, 332
effect on hypophysis, 695
inhibition of ovulation, 628
Prolactin, and pregnancy, 165
response to, 702
site of elaboration, 179
Prostate, and adrenalectomy, 746
metaplasia and estrogens, 772
Pseudohypophysectomy, 984

Raab, W. Chemical determinations of adreno-cortical (AC) hormones in heart muscle of rat, 564
—— Distribution of adreno-cortical (AC) hormone in tissues of rat, 126
Ragan, C. See Carnes, W. H., 144
Rahn, H., and G. A. Drager. Quantitative assay of melanophore-dispersing hormone during development of chicken pituitary, 725
Rea, C. E. Will anterior pituitary-like substance prevent degenerative changes in testis incident to cryptorchidism, 288
Reece, R. P., and S. L. Leonard. Effect of estrogens, gonadotropins and growth hormone on mammary glands of hypophysectomized rats, 297
Reineke, E. P., A. J. Bergman and C. W. Turner. Effect of thyroidectomy of young male goats upon certain AP hormones, 306
——, and C. W. Turner. Growth response of thyroidectomized goats to artificially formed thyroprotein, 667
Remington, J. W., M. Parkins, W. W. Swingle and V. A. Drill. Efficacy of desoxycorticosterone acetate as replacement therapy in adrenalectomized dogs, 740
Renin, and uric acid metabolism, 243
Reproduction, female, and androgens, 77, 784
Richards, R. K., and K. Kueter. Effect of stilbestrol upon liver and body growth in rats, 990
Richter, C. P. Sodium chloride and dextrose appetite of untreated and treated adrenalectomized rats, 115
——, and J. R. Birmingham. Calcium appetite of parathyroidectomized rats used to bioassay substances which affect blood calcium, 655
Riddle, O. See Bates, R. W., 492, 702
Roberts, A. See Hertz, S., 82
Rosenfeld, S. S., B. Lapan and H. Baron. Effects of human pregnancy serum on parturition in rat, 276
Rubin, D. Question of an aqueous hormone from testicle, 281
Rubinstein, B. B. See Lloyd, R. S., 1008
Russell, H. K. See Page, R. C., 230

Salmon, T. N. Effect of pituitary growth substance on development of rats thyroidectomized at birth, 291
Sattler, P. G., and W. R. Ingram. Experimental hypertension and the neurohypophysis, 952
Schaffer, N. K., L. V. Dill and H. J. Stander. Effect of renin on uric acid metabolism of pregnant and non-pregnant Dalmatian dog, 243
Schamp, H. M. Some effects of constant intravenous injections of potassium chloride solutions into normal conscious dogs, 459
Schilling, W., and G. L. Laqueur. Thyroid-ovarian relations. II. The effect of castration and replacement therapy on thyroid, pituitary, adrenal and body weight in thyrohyperplastic albino rats, 103. IV. Effect of intermittent and continuous injections of estrone on hypophyseal weight in thyrohyperplastic albino rats, 498

SCHWABE, E. L. See Emery, F. E., 1028; Page, R. C., 230
SEALEY, J. L., AND C. W. SONDERN. Comparative estrogenic potency of diethyl stilbestrol, estrone, estradiol and estriol. II. Uterine and vaginal changes in infantile rats. 356
SEGALOFF, A., AND W. O. NELSON. Treatment of successive generations of rats with thymus extract and related substances, 483
SELYE, H., AND S. M. FRIEDMAN. Beneficial action of testosterone in experimental renal atrophy caused by ligature of the ureter, 80
SEVRINGHAUS, E. L. See Heller, E. J., 1
Sex, and central nervous system, 150
SHERWOOD, T. C. Effect of estrogenic substance on experimentally hyperthyroid male rats, 215
SHIMKIN, M. B., AND J. WHITE. Absorption rate of hormone-cholesterol pellets, 1020
SHIPOUNOFF, G. C. See Wainman, P., 975
SILBERBERG, M., AND RUTH SILBERBERG. Effects of hormones on skeleton of mice, guinea pigs and rats, 475
SILBERBERG, RUTH. See Silberberg, M., 475
SKLOW, J. See Zondek, B., 531
SMALL, ROSE. See Freeman, W., 758
SONDERN, C. W. See Sealey, J. L., 356
SOSKIN, S. See Taubenhaus, M., 958
SPEERT, H. See Hartman, C. G., 639
Sperm, motility and glycolysis, 583
STANDER, H. J. See Schaffer, N. K., 243
STAVELY, H. E. See Greep, R. O., 18
Steroid, hormone anesthesia, 790
  urinary, fractionation, 43
Stilbestrol, and diabetes, 838
  and duration of estrus, 1028
  liver and body growth, 990
  continuous injections, 796, 995
  massive doses, 809
STRICKLER, H. S., M. E. WALTON, D. A. WILSON AND M. DIENES. Study of colorimetric determination of urinary androgens by a modification of the Oesting-Neustadt method. Effect of change of temperature, concentration and solvent, 545
SULMAN, F. See Zondek, B., 531
SWINGLE, W. W. See Remington, J. W., 740
Synergism, between pituitary extracts and gonadotropins, 931

TAUBENHAUS, M., AND S. SOSKIN. Release of luteinizing hormone from anterior hypophysis by an acetylcholine-like substance from the hypothalamic region, 958
Testes, aqueous hormone from, 281
  effects of androgens on, 64
  gonadotropins, 267
Thymus, bodies, 155
  effect of corticotropic extracts, 934
  extract treatment of successive generations of rats, 483
    effect on phosphatase content of rat femurs, 258
Thyroid, and autonomic system, 467
  and iodine metabolism, 680, 908
  and O_2 consumption, 674
  hormone in blood, 653
  ovarian relations, 96, 103, 108, 373, 498
  physiology, 82
  response in pigeons, 492
Thyroidectomy and, growth response to thyroprotein, 667
  hypophyseal hormones, 27, 162, 291, 306
  iodine metabolism, 686
  neuromuscular activity, 916
  effect on blood picture, 596
Thyroglobulin, calorigenic action, 927
Thyroprotein, growth response to, 667
Thyrotropic hormone, see also hypophysis, hormones of,
  and iodine, 93
    O_2 consumption, 674
TOLINS, S., AND R. A. MOORE. Hormonal content of pharyngeal pituitary gland, 228
TRENTIN, J. J., AND C. W. TURNER. Quantitative study of effect of inanition on responsiveness of mammary gland to estrogen, 984
TUM SUDEN, CAROLINE. See Wyman, L. C., 240
TURNER, C. W., AND W. D. COOPER. Assay of posterior pituitary factors which contract lactating mammary gland, 320
——, AND J. MEITES. Does pregnancy suppress lactogenic hormone of pituitary?, 165
TURNER, C. W. See Bergman, A. J., 313; Mixner, J. P., 324; Reineke, E. P., 306, 667; Trentin, J. J., 984
TURNER, H. H., E. LACHMANN AND

A. A. Hellbaum. Effect of testosterone propionate on bone growth and skeletal maturation of normal and castrated male rats, 425
Tyslowitz, R., and E. Dingemanse. Effect of large doses of estrogens on blood picture of dogs, 817
——, and C. G. Hartman. Influence of large doses of estrogens on the blood picture of rhesus monkeys, 349

Uotila, U. U. See Friedgood, H. B., 47
Uterus, adenofibromyomata, 619
and estrogen overdosage, 352
lactation, 393, 1026
vascular changes, 336, 1017

Vanderlaan, J. E., W. P. Vanderlaan and M. A. Logan. Effect of administering thyrotropin with and without iodine on thyroid tissue metabolism, 93
Vanderlaan, W. P. See Vanderlaan, J. E., 93
Vargas, L. Jr. See Lipschütz, A., 622
Virilism, spontaneous, 47
Vitamin A, and estrogens, 164
Vollmer, E. P., and A. S. Gordon. Effect of sex and gonadotropic hormones upon blood picture of rat, 828

Wainman, P., and G. C. Shipounoff. Effects of castration and testosterone propionate on striated perineal musculature in rat, 975
Walton, M. E. See Strickler, H. S., 545
Watson, E. M. See Williams, H. L., 250, 258
Weil, A. Chemical constitution of brain, kidneys and heart of white rats in experimental hypothyroidism, 919
—— Correlation between sex and chemical composition of central nervous system of white rats, 150
Welsh, J. H. See Levinson, L., 41
Wenzel, J. S. See Cleghorn, R. A., 535
Wesson, L. G. Disturbed carbohydrate metabolism in rats maintained more than a year on a fat deficient diet, 900
White, J. See Shimkin, M. B., 1020
Williams, C., Doris Phelps and J. C. Burch. Observations on effect of hypothyroidism on ovarian function in guinea pig, 373
Williams, H. L., and E. M. Watson. Influence of hormones upon phosphatase content of rat femurs. I. Effects of adrenal cortical substances and parathyroid extract, 250
——, —— Influence of hormones upon phosphatase content of rat femurs. II. Effects of sex hormones, thyroxin and thymus extract, 258
Wilson, D. A. See Strickler, H. S., 545
Wilson, J. G., and W. C. Young. Sensitivity to estrogen studied by means of experimentally induced mating responses in female guinea pig and rat, 779
—— J. B. Hamilton and W. C. Young. Influence of age and presence of ovaries on reproductive functions in rats injected with androgens, 784
Winter, Helen. Conditions influencing course of steroid hormone anesthesia, 790
Wolfe, J. M. Effects of testosterone propionate on structure of anterior pituitaries of old male rats, 969
Worthington, R. V. See Emmel, V. M., 330
Wyman, L. C., and Caroline tum Suden. Incidence of homoplastic adrenocortical transplants in gonadectomized rats, 240

X-ray, effect on estrous cycle, 59

Young, W. C. See Wilson, J. G., 779, 784

Zondek, B., F. Sulman and J. Sklow. Specificity of pregnancy urine antiprolan with respect to human gonadotropic hormones from various sources, 531